

PN -JP10041118 A 19980213

TI -MAGNETIC POWDER FOR MAGNETIC RECORDING MEDIUM,  
MAGNETIC CARD USING MAGNETIC POWDER, AND  
MANUFACTURE OF MAGNETIC CARD

AB -PROBLEM TO BE SOLVED: To increase a coercive  
force and obtain excellent dispersion in  
magnetic coating by hydrogenating magnetic  
powder comprising rare earth elements,  
including Y which is expressed by a specific  
expression and includes Sm as its essential  
component, and a transition metal including  
the main component of Co, within a specific  
temperature range, before the coating is  
formed by using the magnetic powder.

-SOLUTION: The magnetic powder is expressed by  
Rx T100-x-y My (R designates at least one  
element selected from rare earth elements  
including Y which includes Sm as its essential  
component, T designates at least one element  
selected from a transition metals Fe, Co, Ni  
including Co as its main component, and M  
designates at least one of Si, Ti, Al, Ga, V,  
Cr, Mn, Cu, Zr, Nb, Mo, Pd, Hf, Ta, W, Pt and  
Au. The composition value x of R is 16.0-22.0  
(at%), the composition value y of M is  
 $0 \leq y < 30.0$  (at%)). Before the coating is formed  
by using the magnetic powder, the magnetic  
powder is hydrogenated within a temperature  
range from the liquid nitrogen temperature to  
200 deg.C.

I -H01F1/20 ;B22F1/00 ;C08J7/04 ;C22F1/10  
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PA -TOKIN CORP

IN -ANPO TAMIKO;HASEBE AKIO

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